

## INTERNATIONAL SEARCH REPORT

 Inter Application No  
 PC 1 / EP 2004/006887

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07K14/52

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| P, X       | WO 03/104263 A (POWER SCOTT D ; GENENCOR INT (US); HARDING FIONA A (US))<br>18 December 2003 (2003-12-18)<br>the whole document | 1-4                   |
| A          | WO 02/068469 A (MERCK PATENT GMBH ; CARTER GRAHAM (GB); CARR FRANCIS J (GB))<br>6 September 2002 (2002-09-06)                   | 1-11                  |
| X          | page 11, lines 30-32; table 1   | 12-15                 |
| X          | page 12, line 6; table 1  | 12-15                 |
|            | -----<br>-/-  |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

7 January 2005

Date of mailing of the international search report

02/02/2005

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Loubradou-Bourges, N

## INTERNATIONAL SEARCH REPORT

Intern:

Application No

PCT/EP2004/006887

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | <p>PARK HEUNGROK ET AL: "Identification of functionally important residues of human thrombopoietin"<br/>JOURNAL OF BIOLOGICAL CHEMISTRY,<br/>vol. 273, no. 1,<br/>2 January 1998 (1998-01-02), pages<br/>256-261, XP002312523<br/>ISSN: 0021-9258<br/>abstract; figure 1</p>                           | 1-15                  |
| A          | <p>PEARCE KENNETH H JR ET AL: "Mutational analysis of thrombopoietin for identification of receptor and neutralizing antibody sites"<br/>JOURNAL OF BIOLOGICAL CHEMISTRY,<br/>vol. 272, no. 33, 1997, pages 20595-20602,<br/>XP002312524<br/>ISSN: 0021-9258<br/>abstract; table 1</p>                 | 1-5                   |
| A          | <p>JAGERSCHMIDT ALEXANDRE ET AL: "Human thrombopoietin structure-function relationships: Identification of functionally important residues"<br/>BIOCHEMICAL JOURNAL,<br/>vol. 333, no. 3,<br/>1 August 1998 (1998-08-01), pages 729-734,<br/>XP002234914<br/>ISSN: 0264-6021<br/>abstract; table 1</p> | 1-5                   |
| A          | <p>HOU JINZHAO ET AL: "Expression of active thrombopoietin and identification of its key residues responsible for receptor binding"<br/>CYTOKINE,<br/>vol. 10, no. 5, May 1998 (1998-05), pages<br/>319-330, XP002312526<br/>ISSN: 1043-4666<br/>abstract</p>  | 1-15                  |

## INTERNATIONAL SEARCH REPORT

Intern: Application No  
PCT/EP2004/006887

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| WO 03104263                               | A | 18-12-2003          | WO 03104263 A2             | 18-12-2003          |
| WO 02068469                               | A | 06-09-2002          | BR 0207542 A               | 09-03-2004          |
|   |   |                     | CA 2439168 A1              | 06-09-2002          |
|   |   |                     | WO 02068469 A2             | 06-09-2002          |
|   |   |                     | EP 1364011 A2              | 26-11-2003          |
|   |   |                     | HU 0401121 A2              | 28-09-2004          |
|   |   |                     | JP 2004533812 T            | 11-11-2004          |
|   |   |                     | MX PA03007625 A            | 04-12-2003          |
|   |   |                     | US 2004071688 A1           | 15-04-2004          |